

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

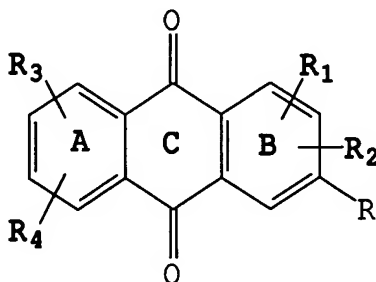
LISTING OF CLAIMS

Claims 1 - 21 (Cancelled)

-22- (Currently Amended)

An antihelminthic composition which comprises:

(a) at least one anthraquinone of the formula:



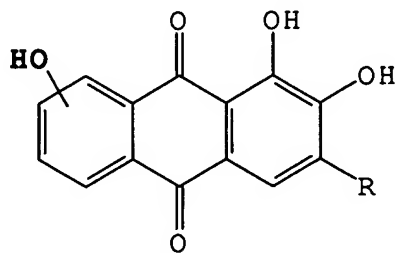
wherein R₁, R₂, R₃, and R₄ are each selected from the group consisting of hydrogen, hydroxy, halogen, alkyl, ~~substituted alkyl~~, alkene, ~~substituted alkene~~, alkyne, aryl, ~~substituted aryl~~, cyclic, ~~substituted cyclic~~, acid COOH, and ~~group~~, carbohydrate groups, and combinations thereof, R is a group containing 1 to 12 carbons selected from the group consisting of methyl, alkyl, ~~substituted alkyl~~, aldehyde, hydroxy, hydroxymethyl, acid ~~group~~ COOH, and carbohydrate groups, the carbon containing R, R₁, R₂, R₃ or R₄ groups containing 1 to 12 carbon atoms, and combinations thereof, and the halogen is selected from the group consisting of I, F, Br, and Cl, but not 1,2,8-trihydroxy-3-methyl

anthraquinone or 1,8-hydroxy-3-R-anthraquinone where R is methyl, hydroxyl, hydroxymethyl or COOH; and

(b) a pharmaceutically acceptable carrier, wherein the composition contains between about 1 and 1,000 micrograms of the anthraquinone per milliliter or gram of the carrier.

-23- (Currently Amended)

The antihelminthic composition of Claim 22 wherein the anthraquinone has the formula:



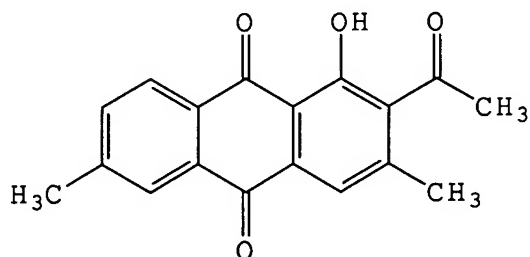
wherein R is ~~a group containing 1 to 12 carbons~~ selected from the group consisting of ~~methyl, alkyl, substituted alkyl, aldehyde, hydroxy, hydroxymethyl, acid~~ COOH and group, carbohydrate groups, and combinations thereof.

-24- (Currently Amended)

The antihelminthic composition of Claim 22 wherein the anthraquinone is selected from the group consisting of 1-hydroxy-2-acetyl-3,6-methyl anthraquinone (~~compound 1~~), 2-acetyl-3,6-methyl anthraquinone monoacetate (~~compound 1a~~), 1-hydroxy-2-acetyl-3,7-methyl anthraquinone (~~compound 2~~), 2-acetyl-3,7-methyl anthraquinone monoacetate (~~compound 2a~~), ~~1,2,8-trihydroxy-3-methyl anthraquinone (compound 3)~~, 1,8-dihydroxy-2-O- β -D-glucopyranoside anthraquinone (~~compound 4~~), 1,2,8-trihydroxy-3-hydroxymethyl anthraquinone (~~compound 6~~), and 1,8-dihydroxy-3-carboxy anthraquinone (~~compound 8~~).

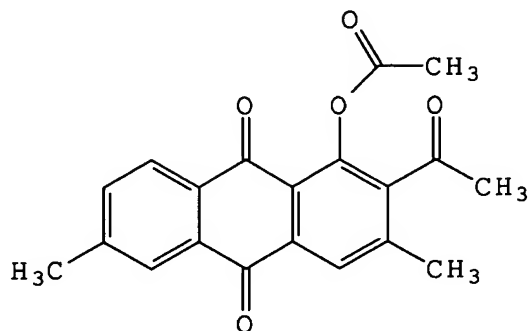
-25- (Currently Amended)

An isolated and purified anthraquinone which has the formula:



-26- (Currently Amended)

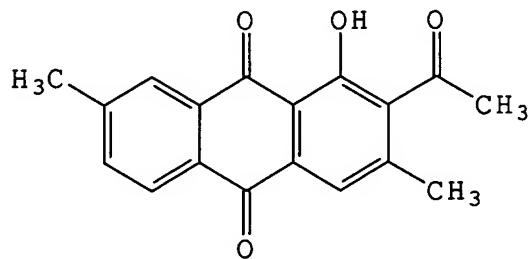
An isolated and purified anthraquinone which has the formula:



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-27- (Currently Amended)

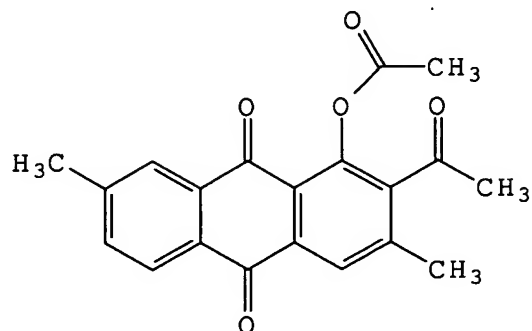
An isolated and purified anthraquinone which has the formula:



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-28- (Currently Amended)

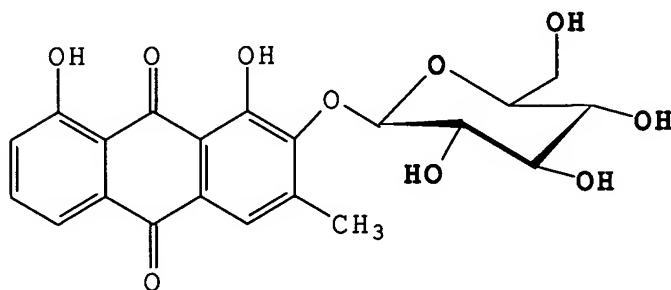
An isolated and purified anthraquinone which has the formula:



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-29- (Currently Amended)

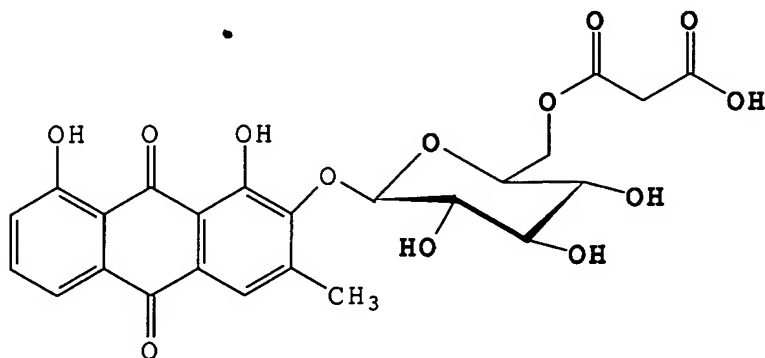
An isolated and purified anthraquinone which has the formula:



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-30- (Currently Amended)

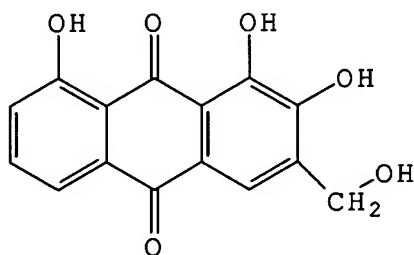
An isolated and purified anthraquinone which has the formula:



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-31- (Currently Amended)

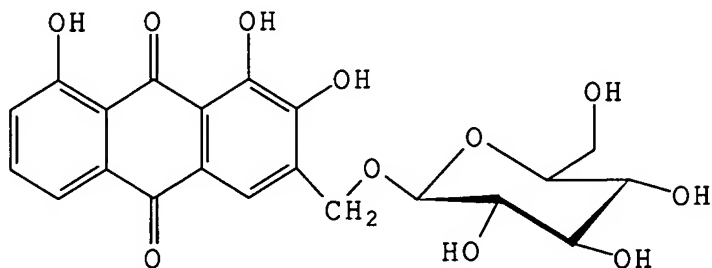
An isolated and purified anthraquinone which has the formula:



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-32- (Currently Amended)

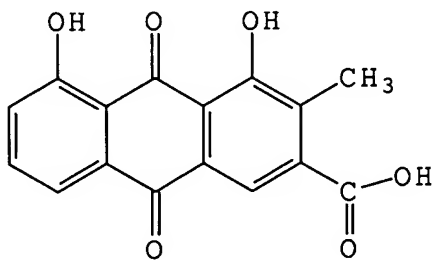
An isolated and purified anthraquinone which has the formula:



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-33- (Currently Amended)

An isolated and purified anthraquinone which has the formula:



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